



STATE OF UTAH  
DEPARTMENT OF HEALTH

NORMAN H. BANGERTE, GOVERNOR

SUZANNE DANDY, M.D., M.P.H., EXECUTIVE DIRECTOR

February 19, 1986  
533-6146

RECEIVED  
FEB 21 1986

DIVISION OF  
OIL, GAS & MINING

Richard Haddenham  
Operations Manager  
Chevron Resources Company  
Manila Star Route  
Vernal, Utah 84078

Re: Construction Permit For Tailings  
Pond Enlargement Chevron  
Resources phosphate mine north of  
Vernal, Utah, Northern Most  
Collection Dam, Slurry Cutoff  
Trench, and Pumpage System to  
Southern Collection Dam for Return  
to Tailings Pond.

FILE COPY

Dear Mr. Haddenham:

We have reviewed the plans and specifications submitted for the above referenced project. From this review we find that the plans meet the minimum requirements specified in the "Utah Wastewater Disposal Regulations"; Therefore a construction permit as constituted by this letter is hereby issued.

It is our understanding that the northern drainage collection dam will be 247 feet long and 30 to 45 feet wide at its base. A slurry trench is to be installed below the dam. The slurry trench will extend across the drainage down to a clay layer at bedrock and be filled to the surface. A collection sump will be installed above the slurry trench but below the dam and will have a pump installed to return water to the northern collection pond. There is a sump on the upstream side of the northern collection pond for collecting and pumping water to the southern collection pond where it will be returned to the tailings pond.

There will be a small pond between the northern and southern drainage which will receive the pumped water from the northern collection pond. The water will flow from the small surge pond down a natural drainage to the southern collection pond.

The final elevation for the tailings pond enlargement will be 5970 feet and will extend to the present office facilities. The dam design and underdrain collection system for the tailings water has been examined and approved by the state engineers office. The underdrain system will capture underground water and will collect it in one of the two collection ponds. The slurry walls will prohibit the tailings water from leaving the mine property. The recycle system will allow for reuse of the water in the Concentrator Facility.

KENNETH L. ALKEMA, DIRECTOR • DIVISION OF ENVIRONMENTAL HEALTH

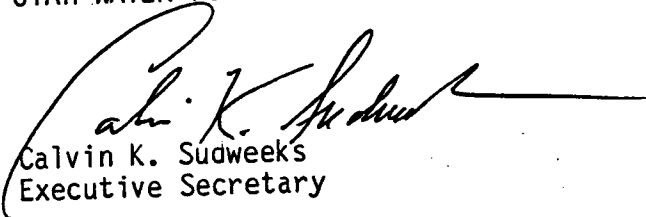
Page 2  
Richard Haddenham

A monitoring well will be installed between brush creek and the northern cutoff trench to assure that the tailings water does not leave the site. The detailed well log from this well will be submitted to this office prior to a final inspection of the installed facilities.

If you have any questions regarding this permit please contact Brian Nelson of this office

Sincerely,

UTAH WATER POLLUTION CONTROL COMMITTEE



Calvin K. Sudweeks  
Executive Secretary

cc: Uintah Basin District Health Dept.  
State Engineer's Office  
Division of Oil, Gas and Mining

BLN:pa  
407